

**Minutes of the Carlisle Board of Health  
September 17, 2014**

Minutes – 8/19/14, 9/8/14

Bills

Administrative Reports

**81 Russell Street (Garrison Place) –**

- Revised Septic Plan
- Master Deed and Trust Documents
- Geo-Hydrocycle Contract – to be signed

**Discussion Items**

- Community Incentive Grant – reapplication
- 2014 Public Health Mini-Grant Consultant Agreement
- FY 16 Budget Preparation
- Lifetime Green Homes Correspondence
  - Hill letter 9/8/14
  - Life Time Green Homes letters 9/11/14, 9/12/14
- Town Advisory Committee - 9/18/14, 9:00 (Risso, Fantasia)
- Stamski & McNary Service in Kind – Recreation Dept. Boardwalk
- Safety Tower Site Plan Review – comments due 11/20/14
- Benfield Leach Field – Beaudry Report

The meeting was called to order by the Chairman at 7:00 pm at town hall. Present were Board Members Bill Risso (Chairman), Lee Storrs, and Cathy Galligan. Also present were Linda Fantasia, Health Agent, Alex Brewster (Carlisle Mosquito)

**MINUTES – 8/19/14. It was moved (Galligan) and seconded (Storrs) to approved the minutes of 8/19/14 as amended. Motion passed 3-0-0.**

**BILLS – Payrolls. It was moved (Galligan) and seconded (Storrs) to approve the bills as presented. Motion passed 3-0-0.**

**ADMINISTRATIVE REPORTS**

Enterovirus – DPH has issued two clinical advisories; the school nurse advising students, teachers, parents on infection control as winter approaches.

West Nile Virus – two human cases in Middlesex County. The Board will continue to educate residents about prevention.

Drinking Water Program – “Well Driller Newsletter” – this is a pilot program and is available online. The Board asked to put the link on the town website.

Benfield Farms – NOAH is following up on required reporting and water quality issues. According to Mark Beaudry, the Conservation Commission has approved their plan to remediate the fields. They plan on power raking the areas around the leach field to remove the large stones. The leaching area has been staked and will be hand raked. Additional loam will be placed over the field and it will be reseeded with a mix of annual and quick grow seed. Fantasia said it will be important to track ongoing reporting requirements such as water reports and system inspections. NOAH should be providing an Annual Report to the Board but interim reports should be filed electronically.

MHOA Conference – Risso and Fantasia are attending; Oct. 22-23. Galligan will be attending the State Fire Marshall conference. Galligan informed the Board that an article she helped author on worker safety is being published. The Board congratulated her on the work.

UMMS Population Clerkship – Fantasia and Galligan met with students: four second year medical students interested in Oncology. The project involves Cancer Awareness in Young Adults. Program details are being worked out. They will be working in Carlisle 10/20-10/31/14.

Local Emergency Planning Committee – Fantasia attended the pre-winter planning. John Gorecki, Board of Selectmen Chair, is interested in town planning for shelters. He would like Risso to participate in the committee. The group also decided to do more with social media. The Police have a program that they will be using. It was agreed the town needs to create a policy for use of social media by departments.

## **DISCUSSION ITEMS**

**Installer Licensing** – the Board would like to keep a log of any problems with installers, particularly if they keep re-occurring. This might include failure to call for inspections, not following procedures, multiple re-inspections. These problems cause more work for the department and the town's inspector and could hurt residents with either unnecessary additional costs or a system that is poorly constructed. The Board could review the log prior to re-issuing licenses for next year.

### **81 Russell Street (Garrison Place)**

Rob Frado (TCG) reviewed a revised sewage disposal plan which includes a MicroFAST pre-treatment alternative technology and a Perc Rite pressurized drip disposal system. The previous plan deficiencies have all been addressed. The Board is still waiting to have the groundwater mounding analysis peer reviewed. The Board wants to know where the alarms for the systems will be housed and whether the alarms will be monitored electronically or just visual and audible alarms. The location of the building to house the water storage tanks should be shown on the plan. The Board also noted that the plans for the septic do not show the water lines for the public water supply. Stamski & McNary will be asked to provide the information. The Board also noted the plan indicates that the pressurized tubing will be 6" deep. The Board prefers up to 12".

The Board approved the invoice of \$2500 for GeoHydrocycle Inc. to review the groundwater mounding and nitrogen transport. Garrison Place has agreed to cover the cost of the review.

The Board agreed to table the project to the next meeting. Board members will review the draft legal documents.

### **Irrigation**

Risso suggested that the Board consider the impacts of irrigation on groundwater. There is not an unlimited supply of groundwater and recharge may not be effective in replacing what is used. The Board should be looking to safeguard the water supply for the town since every household is supported by its own well. Risso had reviewed the Banta Davis water budget analysis and made some assumptions about how much water is needed to irrigate one acre and what is available through normal recharge. Irrigation is one of the highest uses of water. With more households installing sprinkler systems, this may eventually impact the underground water supply for the town. The Board agreed that it should consider restricting irrigation uses as a way of safeguarding resources. The Board would be interested in hearing from the public and irrigation companies and would like an open discussion. The town may not be willing to accept any restrictions unless a strong case is made about the need. Risso pointed out that only half the amount of rainwater percolates through the soil. There is a significant deficiency in the recharge. The Board agreed it may be possible to develop some controls on irrigation that will still be acceptable to residents while maintaining an appropriate water balance.

### **100 Long Ridge Road (Lifetime Green Homes)**

The Board reviewed a proposed well testing protocol submitted by Brem which included hiring a hydrogeological firm to conduct groundwater modeling studies and nitrogen transport analysis, a 24 hour background testing of existing wells within a 500' radius of the proposed new well location and providing a security deposit to cover impacts. The Board did not feel that the scope of work would provide enough information or protections. A 24 hour time period is too short to show any significant impact. The Board questioned how the well testing would be done if the project uses a phased development approach. It was also agreed that a \$12,000 security would not be sufficient. Replacement of a single impacted well might cost around \$10,000.

The Board agreed to forward the following comments to the Zoning Board:

1. The Board does not find the scope of work to be sufficiently detailed
2. Any testing of wells should be witnessed
3. Proper steps need to be taken to disinfect tested wells
4. The Board would like to hire a consultant to develop a testing protocol which would take into account a phased development
5. The cost of a Public Water Supply may not be more than the cost of drilling nine new wells
6. It may be possible to include town land (Davis Corridor) in the Zone I for a Public Well.
7. A minimum of \$12,000 should be kept in reserve at all times to cover any replacement or repair costs that might arise
8. Guidance is needed on what will be considered an impact, how it will be addressed, and who will be responsible for overseeing the remediation
9. Well testing should be done in August or September when the groundwater is typically low.
10. The Board is very disappointed that DEP is not requiring the water supply to be classified as a Public Water Supply.

Fantasia suggested including 90 Long Ridge Road within the scope of the project since the lot was recently subdivided from the 100 Long Ridge Road property. It has a five bedroom house, septic system and well. Selling of this lot created some of the limitations for 100 Long Ridge Road. The Board did not believe there could be a "look back" into this transaction.

#### **DISCUSSION ITEMS (continued)**

**DEP Private Well Policy** - The Board would like Town Counsel to prepare an official statement relative to the new policy. The Board is concerned about the impacts this policy will have on a town such as Carlisle if large developments are not required to provide Public Water Supplies. Risso, Storrs and Fantasia will also be meeting with Jim Persky (DEP) to discuss the state's new policy.

**The Town Advisory Group** is scheduled to meet on 9/18/14.

**Community Incentive Grant (Tick Testing)** – The Middlesex Tick Task Force is interested in applying for funding for a second round. Only a portion of testing cost would be paid by the grant. Residents would pay a small fee. Testing availability would be on a regional basis. This year not all of the towns used their quota. Fantasia said residents have been very interested in having ticks tested even though it is not used for diagnosis purposes. The Board agreed to continue to participate. The testing program is very popular and provides an additional means of education.

**2014 Public Health Mini Grant** – the Board hired David Estabrook as its consultant on the project which involves preparing guidelines for community food events and farmers' markets.

**FY16 Budget** – The Board will meet with the Finance Committee (FinCom) to ask for an additional \$200 to fund the Rabies Clinic. There are some initial expenses that need to be covered prior to the clinic. Typically the Board returns around \$200 to the General Fund. The activity is intended to be cost neutral for the town. Tiffany Rule, DVM, donates her time and Countryside Veterinary Hospital covers the cost of the technician. The town pays for the vaccine and supplies. The Board will prepare a memo for Fincom.

**Communications Tower Site Plan Approval** - the Board of Health discussed the application for Site Plan Approval submitted by the Carlisle Fire Department for the purposes of replacing an existing public safety antenna lattice tower with a 150' high monopole on the Carlisle School Campus. Five existing communication antennas would be relocated to the monopole. According to the application, the purpose of the communications tower is to improve emergency communication within the town. The application provides a construction management plan and a "Determination of No Hazard to Air Navigation" issued 7/23/14. The change in use of the property does not involve a water supply or waste disposal.

Following its review, the Board found that in the event of a public health or other emergency event the town needs good communication. This is not the case with the present arrangement. The Board also noted that the new tower was properly wind and emissions rated.

**It was moved (Galligan) and seconded (Storrs) to endorse the application to ensure timely and effective communications during emergency situations. Motion passed 3-0-0.**

**Stamski & McNary Engineering Services** – the Board agreed to use the service in kind of one half day of engineering services to stake out the new boardwalk being installed by the Recreation Department at Banta Davis.

There was no further business. Meeting voted to adjourn at 9:15 pm.

Respectfully submitted,

Linda M. Fantasia  
Recorder